

Title (en)
Method for maintaining the DC voltage at the input of a DC-AC voltage converter, storage means for this method and electric vehicle

Title (de)
Verfahren zur Aufrechterhaltung der Gleichstromspannung am Eingang eines Gleichstrom-Wechselstrom Konverters, Speichermedium für das Verfahren und elektrisches Fahrzeug

Title (fr)
Procédé de maintien d'une tension continue à l'entrée d'un convertisseur continu-alternatif de tension, support d'enregistrement pour ce procédé et véhicule électrique

Publication
EP 1772953 A3 20080409 (FR)

Application
EP 06291504 A 20060925

Priority
FR 0510283 A 20051007

Abstract (en)
[origin: EP1772953A2] The method involves magnetizing an asynchronous motor using a DC voltage present in a DC supply bus. The motor is operated as an AC voltage generator and a DC-AC converter is operated as an AC voltage rectifier for recharging the bus with DC voltage. The converter is stopped when the DC voltage of the bus attains a high threshold. The converter is maintained at stop condition until DC voltage of the bus remains greater than a minimum DC voltage for the magnetization of the motor, before returning to the magnetization of the motor. Independent claims are also included for the following: (1) an information recording medium comprises instructions for executing a DC voltage maintaining method (2) an electric vehicle.

IPC 8 full level
H02P 3/18 (2006.01); **B60L 7/06** (2006.01); **B60L 7/14** (2006.01); **B60L 7/22** (2006.01); **B60L 9/22** (2006.01)

CPC (source: EP KR US)
B60L 9/04 (2013.01 - KR); **B60L 9/12** (2013.01 - KR); **B60L 9/22** (2013.01 - EP US); **B60L 2200/26** (2013.01 - EP US); **B60L 2210/30** (2013.01 - EP US); **B60L 2210/40** (2013.01 - EP US); **B60L 2220/12** (2013.01 - EP US); **Y02T 10/72** (2013.01 - EP US)

Citation (search report)

- [YA] US 5614796 A 19970325 - MINDERLEIN ERICH [DE], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 011, no. 269 (M - 621) 2 September 1987 (1987-09-02)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 010, no. 279 (E - 439) 20 September 1986 (1986-09-20)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 006, no. 067 (E - 104) 28 April 1982 (1982-04-28)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1772953 A2 20070411; EP 1772953 A3 20080409; EP 1772953 B1 20140611; BR PI0604452 A 20071009; BR PI0604452 B1 20180515; CA 2558791 A1 20070407; CA 2558791 C 20150519; CN 1949661 A 20070418; CN 1949661 B 20101013; FR 2891961 A1 20070413; FR 2891961 B1 20080314; JP 2007110891 A 20070426; KR 101244811 B1 20130318; KR 20070038905 A 20070411; NO 20064424 L 20070410; NO 336493 B1 20150907; RU 2006135454 A 20080420; RU 2416531 C2 20110420; TW 200731651 A 20070816; TW I401876 B 20130711; US 2007138995 A1 20070621; US 7436142 B2 20081014

DOCDB simple family (application)
EP 06291504 A 20060925; BR PI0604452 A 20061006; CA 2558791 A 20060915; CN 200610141525 A 20060929; FR 0510283 A 20051007; JP 2006275647 A 20061006; KR 20060097614 A 20061004; NO 20064424 A 20060929; RU 2006135454 A 20061006; TW 95136576 A 20061002; US 60279806 A 20061121